



City of Alameda • California

March 22, 2012

Re: Request for Bid, Main Street Wetland Maintenance Project

To Whom It May Concern:

The Main Street Wetland Flood Control Channel and Stormwater Retention Basin perform important stormwater drainage functions and contain several wetland plant species. The City of Alameda is soliciting bids from qualified contractors for the maintenance of the Main Street Wetland Flood Control Channel. The maintenance work will include the following tasks:

- Removing vegetation from within and along the flood control channel.
- Removing the invasive Pampas Grass around the Stormwater Retention Basin.
- Re-grading a small section of the wetland flood control channel.

The entire area is regulated as "Waters of the United States" by the U.S. Army Corps of Engineers and by the San Francisco Bay Regional Water Quality Control Board. To meet requirements from the regulatory agencies, all work activities must be performed as specified in the bid document under "Special Provisions."

It is **required that you visit the project site** prior to submitting your bid. No pre-bid meeting will be held.

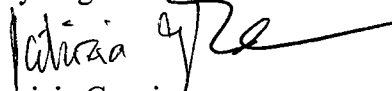
Interested parties can obtain an electronic copy of the Request for Bid by contacting the City of Alameda Public Works Department at (510) 747-7930.

The bids are **due by 2:00 pm on April 12, 2012.**

If you have any "pre-bid" questions, please contact Barbara Hawkins at (510) 747-7930. For questions after the post-bid date, please contact Patrizia Guccione at (510) 747-7951.

Sincerely,

Barbara Hawkins
City Engineer


Patrizia Guccione
Clean Water Program Specialist

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REQUEST FOR BID

MAIN STREET WETLAND MAINTENANCE
PROJECT

No. P.W. 03-12-06

CITY OF ALAMEDA

MARCH 22, 2012

Important Dates:

Bid Due Date: April 12, 2012 by 2:00 p.m. to
Public Works Department
950 W. Mall Square, Room 110
Alameda, CA 94501

Award of Agreement: May 2012
Projected Start Date: June 18, 2012

Contact:

Pre-bid questions: Barbara Hawkins at (510) 747-7930
Post-bid questions: Patrizia Guccione at (510) 747-7951

City Hall West
Public Works Department
950 W. Mall Square, Room 110
Alameda CA 94501
Phone: (510) 747-7930
Fax: (510) 749-6030

I. INTRODUCTION

The City of Alameda ("City") is soliciting bids from qualified contractors, for the maintenance of the Main Street Wetland Flood Control Channel.

A. Background.

Description of Main Street Wetland Flood Control Channel

The Main Street wetland flood control channel is a narrow, linear channel extending from an outfall structure/slucice gate west of the Ferry Terminal entrance to within about 100 feet north of Ralph Appezzato Memorial Parkway (formerly Atlantic Avenue). It is parallel to Main Street on the west, and parking lots and a pedestrian park to the east. Within the flood control channel there are several structures that are part of a system to prevent flooding along Main Street. The flood control structures include:

1. A **mechanical sluice gate** located at the most northwestern corner of the flood control
2. Six 24-inch wide **grate catch basins** (GCB)
3. Four **subsurface culverts** passing below access roads such as Ferry Terminal, Alameda Gateway Entrance, Singleton Avenue, and Stargell Avenue (formerly Tinker Avenue).

The total length of the wetland flood control channel is approximately 3200 linear feet and consists of two types of wetlands:

1. Tidal wetland (approximately 558 linear feet) extends from the sluice gate to the Ferry Terminal entrance.
2. Non-tidal wetland (approximately 2,629 linear feet) extends from the Ferry Terminal to about 100 feet north of Ralph Appezzato Memorial Parkway.

The flood control channel is approximately 20 feet wide from top of bank to top of bank and 6-10 feet wide from toe of slope to toe of slope. Bank slope ranges from 1:1 near the sluice gate to 3:1 towards Ralph Appezzato Memorial Parkway. Adjacent to the Main Street Wetland Flood Control Channel are two **Mitigation Wetlands** (north and south of Stargell Avenue intersection) and a **Stormwater Retention Basin** (north of Stargell Ave intersection).

Environmental Regulation

To meet requirements from regulatory agencies, all work activities must be in accordance to the specifications detailed in Section II, Scope of Services, Special Provisions.

The jurisdictional delineation conducted in February 2009, indicates that the entire Wetland Flood Control Ditch, the Mitigation Wetlands, and the Stormwater Retention Basin are regulated as waters of the United States by the U.S. Army Corps of Engineers (Corps) and the Environmental Protection Agency under Section 404 of the Clean Water Act (CWA), and by the Regional Water Quality Control Board (RWQCB) under Section 401 of the CWA.. Additionally, the Tidal Wetland is regulated under the Corps' Section 10 of the Rivers and Harbors Act (RHA).

B. Purpose of the Request

The Main Street Wetland Flood Control Channel and Stormwater Retentions Basin perform important stormwater drainage functions and contain several wetland plant species. The City of Alameda is soliciting proposals from qualified contractors, for the maintenance of the Main Street Wetland Flood Control Channel. The maintenance work will include the following tasks:

- Removing of vegetation from within and along the flood control channel.
- Removing of the invasive Pampas Grass around the Stormwater Retention Basin.
- Re-grading a small section of the wetland flood control channel.

A. Scope of Services

II. SCOPE OF WORK

The Main Street Greenway Wetlands perform important stormwater drainage functions and contain several wetland plant species. To meet requirements from regulatory requirements related to wetland functions, all **work activities must be performed in accordance with the special provisions. A site visit prior to bid submittal is required.**

To improve drainage capacity of the Main Street Wetland Flood Control Channel, the contractor shall conduct maintenance work identified in the table below and shall furnish all materials, machinery, tools and equipment required to perform the work. contractor shall do all the said work, in accordance with said Plans, Specifications, and Special Provisions for the unit prices set forth in the table below. All costs shall include labor, equipment, and material. All wetland maintenance work shall be conducted and completed prior to June 25, 2012.

| Wetland Section | Work/Task Description | Quantity | Unit | Estimated Costs |
|-----------------------------------|--|-----------------|-------------|------------------------|
| Sluice Gate to Ferry Terminal | 1. Near Ferry Terminal Access Road: Remove all vegetation (scirpus) that is growing within the within the wetland channel using a small excavator. Excavated vegetation must be <u>directly deposited into a container/truck</u> as described under "Special Provisions" paragraphs 2a/b. | 1 | lump sum | |
| | 2. Culvert at Ferry Terminal Access Road: Cut vegetation around mouth of culvert to expose culvert. Area of vegetation cut-back: Length 15 linear feet; Width: entire channel bottom up to top of banks. | 1 | lump sum | |
| | 3. Catch basin near Ferry Terminal Access Road: Cut vegetation around catch basin within channel. Vegetation cut-back: 5 feet around perimeter of catch basin grate. | 1 | lump sum | |
| | 4. Catch basin across wetland channel (bank far side from the road) near Ferry Terminal: Cut vegetation around catch basin. Vegetation cut-back: 5 feet 5 feet around perimeter of catch basin grate. | 1 | lump sum | |
| | 5. Culvert south of Ferry Terminal access Road: Cut vegetation around mouth of culvert and stabilize rocks around mouth of culvert to prevent erosion. Area of vegetation cut-back: Length: 15 linear feet; Width: entire channel bottom up to top of banks. | 1 | lump sum | |
| | 6. Culvert north of Alameda Gateway Access Road: Cut vegetation to expose culvert. Area of vegetation cut-back: Length: 15 linear feet; Width: entire channel bottom up to top of banks. | 1 | lump sum | |
| Ferry Terminal to Alameda Gateway | | | | |

| Wetland Section | Work/Task Description | Quantity | Unit | Estimated Costs |
|-----------------------------------|--|----------|------------|-----------------|
| Alameda Gateway to Singleton | 7. Culvert south of Alameda Gateway Access Road: Cut vegetation to expose culvert. Area of vegetation cut-back: Length: 25 linear feet; Width: entire channel bottom up to top of banks. | 1 | lump sum | |
| | 8. At storm drain marker: Cut vegetation around catch basin. Vegetation cut-back: 5 feet around perimeter of catch basin grate. | 1 | lump sum | |
| | 9. To top of banks on both side of the channel (near Alameda Gateway Access Road): Remove all blackberry bushes. | 1 | lump sum | |
| | 10. Culvert north of Singleton Ave: Cut vegetation to expose culvert. Area of vegetation cut-back: Length: 25 linear feet; Width: entire channel bottom up to top of banks. | 1 | lump sum | |
| | 11. Around Stomwater Detention Basin: Remove all pampas grasses. | 1 | lump sum | |
| Singleton to Stargell | 12. Cut vegetation around catch basin. Vegetation cut-back: 5 feet around perimeter of catch basin grate. | 1 | lump sum | |
| | 13. Re-grade swale to match existing so that water flows towards Stargell Ave intersection. Dimension of area to be re-graded: 4 inch deep, 8 feet wide, and 200 feet long. Exact Location: Start at 520 feet south of Stargell intersection and end at 720 feet south of Stargell. | 535 | cubic feet | |
| | 14. Remove all cattails growing within channel immediately south of re-graded swale and around catch basin. | 1 | lump sum | |
| Applies to Entire Wetland Section | 15. Prepare Traffic Control Plan and submit it with cost estimate for approval by Public Works Department. | 1 | lump sum | |
| | 16. Implement approved Traffic Control Plan. | 1 | lump sum | |
| | 17. The CONTRACTOR will be responsible for hauling vegetation biomass/debris for composting (Green Waste) to the City of Alameda Maintenance Service Center located on 1616 Fortmann Way. | 1 | lump sum | |
| Total Estimated Costs | | | | |

B. Special Provisions

To meet requirements from regulatory agencies, all work activities must be in accordance with the specifications detailed under item 2 below. The jurisdictional delineation conducted in February 2009, indicates that the entire Wetland Flood Control Ditch, the Mitigation Wetlands, and the Stormwater Retention Basin are regulated as waters of the United States by the U.S. Army Corps of Engineers (Corps) and the Environmental Protection Agency under Section 404 of the Clean Water Act (CWA), and by the Regional Water Quality Control Board (RWQCB) under Section 401 of the CWA. Additionally, the Tidal Wetland is regulated under the Corps' Section 10 of the Rivers and Harbors Act (RHA).

1. To minimize traffic impacts along Main Street, all work activities are restricted to the hours of 9:00 am and 3:00 pm (Monday - Friday).
2. To fulfill requirements from regulatory agencies, the following Best Management Practices (BMPs) have to be implemented:
 - a. Chemical suppression of vegetation is prohibited.
 - b. Removing vegetation, the material removed shall not be re-deposited, staged or piled or pushed into a pile or re-graded for any length of time within the wetland flood control ditch or near the top of the bank.
 - c. When removing vegetation, the materials must be scooped out, immediately deposited into a container/truck, and hauled for disposal to the City of Alameda Maintenance Service Center located on 1616 Fortmann Way. Never place removed or excavated materials on, or near the top of the wetland flood control ditch.
 - d. Mitigation Wetland South of Stargell Ave. Orange construction fencing must be placed between the wetland mitigation sites and flood control channel to prevent maintenance work from inadvertently occurring within the wetland mitigation sites.
 - e. If an active migratory bird nest is located during vegetation removal activities, a 50 foot buffer will be constructed around the nest until the fledglings have left the nest.
 - f. The implementation of BMPs will be required to the extent necessary to ensure that the adverse effects to the aquatic environment and stormwater conveyance system are minimal.
 - g. Filter materials (such as block and gravel bags, sandbags, filter fabric) shall be installed at the storm drain inlets surrounding the project site, to prevent the discharge of any sediment, debris or other pollutants to the municipal storm water conveyance system.
 - h. Broom-sweep public street pavement adjoining the project site daily and prior to rain to avoid build up of debris.

- i. All heavy equipment (e.g. backhoe loader, excavator) will be positioned along Main Street and not within the flood control channel.
- j. All staging, maintenance, and storage of heavy equipment shall be conducted in such a manner and location that no fuel, oil, or other petroleum products may runoff or be washed into the flood control channel during rainfall.
- k. Never clean machinery, tools, brushes, etc. or rinse containers into a street, gutter, storm drain, or wetland channel.

See Exhibit A for area drawings.



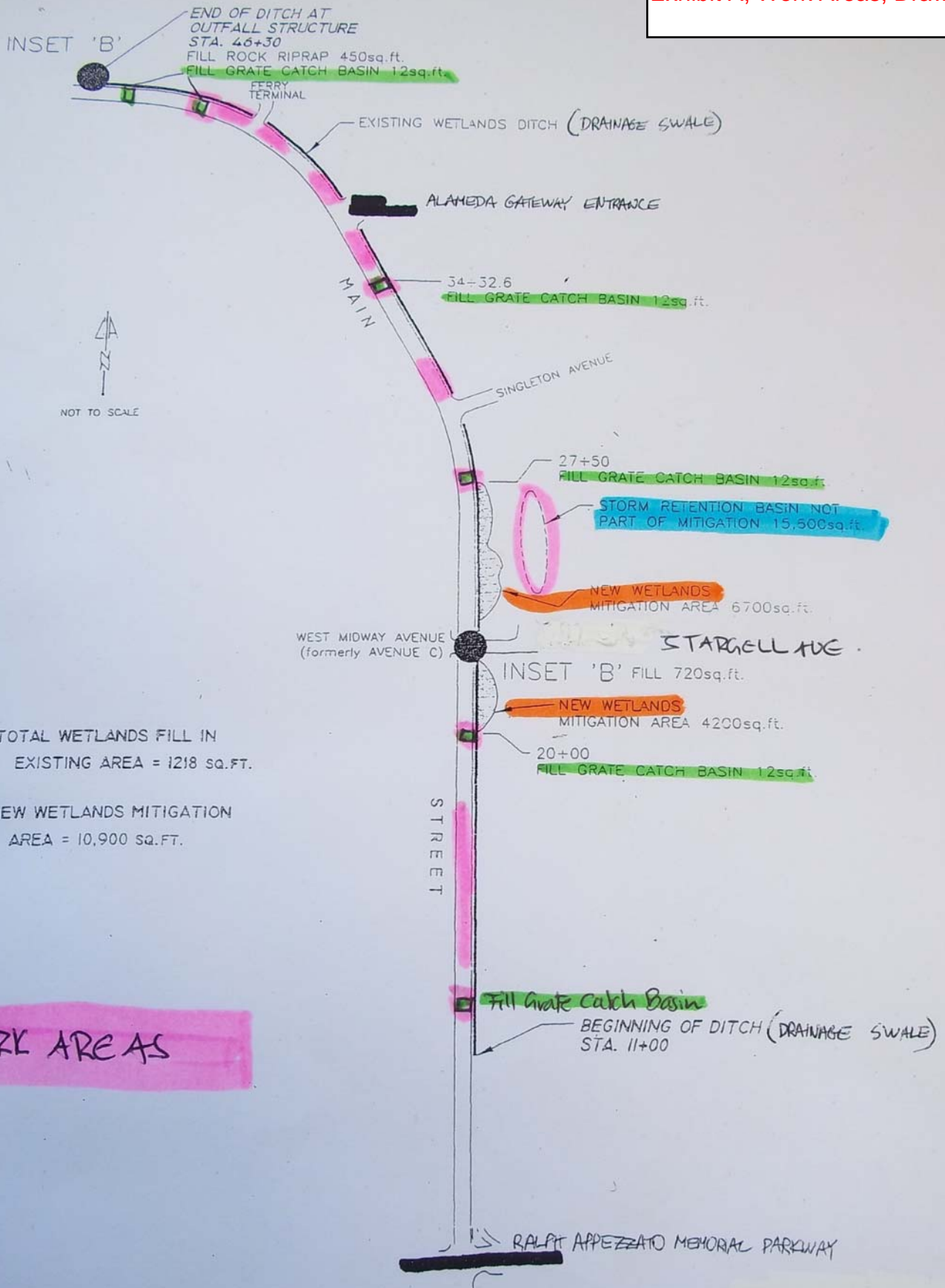
HBG Huffman-Broadway Group, Inc. · 828 Mission Avenue · San Rafael, California · Phone (415) 925-2000 · Fax (415) 925-2006

Figure 1. Location Map,
Main Street Flood Control Maintenance Project,
Alameda, Alameda County, California

Exhibit A - Drawing 1, Location Map



Figure 4. Project Boundary
Main Street Flood Control Maintenance Project,
Alameda, Alameda County, California



TOTAL WETLANDS FILL IN
EXISTING AREA = 1218 sq.ft.

NEW WETLANDS MITIGATION
AREA = 10,900 sq.ft.

WORK AREAS